Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of	)	
	)	
Advanced Television Systems	)	MB Docket 87-268
And Their Impact Upon the	)	
Existing Television Broadcast Service	)	

To: The Commission

COMMENTS OF MISSION BROADCASTING, INC.

Mission Broadcasting, Inc. ("Mission"), by its attorneys, hereby submits these comments in response to the Commission's Seventh Further Notice of Proposed Rulemaking in the above-referenced proceeding ("Seventh FNPR"). In the Seventh FNPR, the Commission proposes a DTV Table of Allotments ("DTV Table") listing the communities and channels assigned to such communities in Appendix A. Mission has reviewed the DTV Table and it accurately lists the communities and channels in and on which Mission will operate its post-transition DTV stations.

The Seventh FNPR also sets forth, in Appendix B, technical operating parameters for Mission's DTV stations at the end of the DTV transition (the "Technical Table"). In developing the Technical Table, the Commission relied upon certifications made by DTV licensees and permittees during the channel election process with regard to their proposed final DTV operations, as well as objective computer analysis pursuant to the technical standards and methods set forth in the Commission's rules.[1] Mission submits these comments with respect to the technical parameters set forth in the Technical Table for its stations.

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[1] The Commission used the procedures set forth in the Office of Engineering and Technology's *OET Bulletin No. 69*, which uses Longley-Rice methodology, to make predictions of service coverage and interference.

Mission certifies that the Technical Table is accurate with respect to the facilities specified for WYOU-DT, WTVO-DT and KCIT-TV. In addition, Mission believes the technical facilities specified for KOLR-DT are adequate. However, Mission has not determined whether it will be able to construct precisely the facilities specified in the Technical Table for KOLR-DT. Mission anticipates submitting an appropriate application for KOLR-DT's operations on channel 10 once the Commission issues guidelines for stations that will be implementing digital operations on their current analog channels.

With respect to Mission's remaining stations – WUTR-DT, KHMT-DT, WFXP-DT, WFXW-DT, KRBC-DT, KSAN-DT, KAMC-DT, KJTL-DT, and KODE-DT – Mission has determined that the Technical Table is different from the technical information stated in these stations' DTV licenses, current DTV construction permits or applications for modification of the stations' DTV construction permits, as applicable. The variations between the facilities specified in the Technical Table and the facilities licensed or to be constructed are relatively minor, and have been caused by factors such as: the licensed facilities are at slight variation from the facilities proposed in the Technical Table (WUTR-DT); a recent tower collapse, which will require the station to mount its antenna on a different tower (KRBC-DT); the tower owner leasing Mission's allotted space on the tower to another station (stations KODE-DT and KHMT-DT); the antenna manufacturer informing Mission that it cannot construct the necessary antenna for the proposed facilities (KJTL-DT and KSAN-DT); and Mission's determination that it can more economically construct certain of its DTV facilities in combination with another station's DTV facilities, thereby decreasing the expenses incurred by both stations (WFXP-DT, WFXW-DT and KAMC-DT). Accordingly, Mission requests that, to the extent the Commission deems it necessary, the Commission revise the Technical Table with respect to these stations to reflect the

facilities as licensed or as will be constructed and amend Mission's associated Form 381s to the extent necessary.

A. Technical Changes for Mission's Stations.

Mission provides the Commission with the following technical information for the proposed operations of its stations post-transition:

1. WUTR-DT, Utica, New York (Table at variation from licensed facilities).

The Technical Table specifies that WUTR-DT will operate from a tower located at coordinates 43 08 43 N, 75 10 35 W with the following parameters:

Channel: 30	ERP: 50 kW	HAAT: 244 m	Antenna: 74910

WUTR-DT has been licensed to operate at the same coordinates with a slightly reduced HAAT (the antennas are equivalent) with the following parameters:

Channel: 30	ERP: 50 kW	HAAT: 227 m	Antenna: 45963

Mission's analog antenna is currently located at the 244 meters HAAT location and Mission does not anticipate moving WUTR-DT's antenna height up to the analog location at the end of the DTV transition period. Accordingly, to the extent the Commission deems it necessary, Mission requests that the Commission update the Technical Table to specify WUTR-DT's licensed facilities.

2. KRBC-TV, Abilene, Texas (tower collapsed).

The Technical Table specifies that KRBC-DT will operate from an antenna structure located at coordinates 32 17 06 N, 99 44 23 W, with the following parameters:

Channel: 29	ERP: 1000 kW	HAAT: 268 m	Antenna: N/A

On January 14, 2007, KRBC-TV's tower located at the above coordinates, on which KRBC-DT's operations were proposed, collapsed during a severe ice storm. Mission has investigated its options and believes the most cost effective and expedient solution is for KRBC-DT to be mounted on a different, existing tower. Therefore, Mission proposes to operate KRBC-DT from an antenna structure located at coordinates 32 16 38 W, 99 35 51 N. In order to accommodate the proposed relocation and comply with the current freeze expanding a DTV station's footprint, Mission proposes to construct the following DTV facilities for KRBC-DT: [2]

Channel: 29	ERP: 1000 kW	HAAT: 260 m	Antenna: To be assigned	32 16 38 N 99 35 51 W

Mission has determined that KRBC-DT's operations from its proposed new tower location will serve a population of approximately 94.26 percent of the population stated in the Technical Table. Accordingly, to the extent the Commission deems it necessary, Mission requests that the Commission update the Technical Table to specify reflect the facilities specified herein.

3. KODE-DT, Joplin, Missouri (tower owner changed station's allotted HAAT).

The Technical Table specifies that KODE-DT will operate from a tower located at coordinates 37 04 37 N, 94 32 15 W with the following parameters:

Channel: 43	ERP: 1000 kW	HAAT: 284 m	Antenna: N/A

Although Mission certified that it intended to construct KODE-DT's facilities at 284 meters HAAT (and, in fact, Mission holds a construction permit for such facilities (see file no.

[2] Mission has submitted an application to modify KRBC-DT's construction permit to specify the new proposed facilities (see File No. BMPCDT-20070125ABY). Mission notes that KRBC-DT's proposed operations from a new location will not cause additional interference to any other tentatively proposed facilities in the DTV Table.

BPCDT-19991022AAV)), Mission does not own the tower on which KODE-TV/KODE-DT is located. The tower owner has informed Mission that the location of 284 meters HAAT is unavailable for KODE-DT's antenna and that the only space available on the tower for KODE-DT's antenna is at 271 meters HAAT.[3]

Mission has analyzed its proposed operations of KODE-DT at a HAAT of 271 meters with 1000 kW ERP and has determined that this facility will serve a population of approximately 95.50 percent of the population stated in the Technical Table. Accordingly, to the extent the Commission deems it necessary, Mission requests that the Commission update the Technical Table to specify a HAAT of 271 meters for KODE-DT (with no other change of parameters).

4. KHMT-DT, Hardin, Montana (tower owner changed station's allotted HAAT).

The Technical Table specifies that KHMT-DT will operate from a tower located at coordinates of 45 44 29 N, 108 08 19 W with the following parameters:

Channel: 22	ERP: 1000 kW	HAAT: 323 m	Antenna Id: 7884

Although Mission certified that it intended to construct KHMT-DT's facilities at 323 meters HAAT with a directional antenna, Mission does not own the tower on which KHMT-TV/KHMT-DT is located. The tower owner has informed Mission that neither the location at 323 meters HAAT or the location at 288 meters HAAT (which is the HAAT stated in KHMT-DT's construction permit) are unavailable for KHMT-DT's antenna. The tower owner has informed Mission that the only space available on the tower for KHMT-DT's antenna is at 244.1 meters HAAT. Mission intends to construct facilities with a maximum possible ERP of 1000

[3] Mission has submitted an application to modify KODE-DT's construction permit to specify operations at 271 meters HAAT (see File No. BMPCDT-20070125ACU). Mission notes that KODE-DT's proposed operations at 271 meters HAAT will not cause additional interference to any other tentatively proposed facilities in the DTV Table.

kW. However, because of this forced reduction in antenna height, Mission intends to utilize a non-directional antenna in order to serve as much of the proposed KHMT-DT footprint as possible.[4]

Mission has analyzed its proposed operations of KHMT-DT at a HAAT of 244.1 meters with a non-directional antenna and determined that this facility will serve a population of approximately 98.54 percent of the population stated in the Technical Table. Accordingly, to the extent the Commission deems it necessary, Mission requests that the Commission update the Technical Table to specify KHMT-DT's post-transition operating parameters as:

Channel: 22	ERP: 1000 kW	HAAT: 244.1 m	Antenna: Non-directional

5. KJTL-DT, Wichita Falls, Texas (manufacturer cannot construct antenna).

The Technical Table specifies that KJTL-DT will operate from a tower located at coordinates 34 12 05 N, 98 43 45 W with the following parameters:

Channel: 15	ERP: 1000 kW	HAAT: 325 m	Antenna Id: 39767

Although Mission certified that it intended to construct KJTL-DT's facilities at 325 meters HAAT (and, in fact, Mission holds a construction permit for such facilities (see file no. BPCDT-19991102ABG)), installing KJTL-DT's antenna at 325 assumes that Mission will install a combined, top-mounted antenna for KJTL and KJTL-DT. Mission's antenna manufacturer has informed Mission that it is impossible to construct a combination antenna that meets the DTV antenna pattern and the combined operations criteria.

[4] Mission has submitted an application to modify KHMT-DT's construction permit to specify operations at 244.1 meters HAAT with a non-directional antenna (see File No. BMPCDT-20070125ACV). Mission notes that KHMT-DT's proposed operations at 244.1 meters HAAT with a non-directional antenna will not cause additional interference to any other tentatively proposed facilities in the DTV Table.

Therefore, Mission is proposing to construct and install a separate antenna for KJTL-DT, side-mounted on the tower at 262.9 meters HAAT. In addition, Mission notes that it is continuing discussions with its antenna manufacturer as to whether it is possible to construct an antenna that provides the pattern set forth in KJTL-DT's current construction permit. Mission is nearly certain that the antenna manufacturer will confirm that an antenna cannot be manufactured to produce the pattern created by the Technical Table's proposed antenna identified as 39767. Mission is continuing to discuss possible antenna's with its manufacturer and intends to submit an application for modification of construction permit to specify the proposed new HAAT and new antenna as soon as possible.

Mission has analyzed the proposed operation of KJTL-DT at a HAAT of 262.9 meters and has determined that this facility will serve a population of approximately 95.64 percent of the population stated in the Technical Table. Accordingly, Mission requests that, to the extent the Commission deems it necessary, the Commission revise the Technical Table to reflect KJTL-DT's post-transition operating parameters as:

Channel: 15	ERP: 1000 kW	HAAT: 262.9 m	Antenna: To be determined

6. KSAN-DT, San Angelo, Texas (manufacturer cannot construct antenna).

The Technical Table specifies that KSAN-DT will operate from a tower located at coordinates 31 37 22 N, 100 26 14 W with the following parameters:

Channel: 16	ERP: 1000 kW	HAAT: 185.6 m	Antenna: Non-directional

Mission certified that it intended to construct KSAN-DT's facilities at 185.6 meters HAAT (and, in fact, Mission holds a construction permit for such facilities (see file no. BMPCDT-20040802AMM)), because Mission assumed it would be able to co-locate KSAN-TV's and

KSAN-DT's antennas. However, Mission's antenna manufacturer has informed Mission that it is impossible to combine these antennas. Accordingly, Mission must locate KSAN-DT at a slightly reduced HAAT of 159.7 meters.[5]

Mission has analyzed its proposed operations of KSAN-DT at a HAAT of 159.7 meters and determined that this facility will serve a population of approximately 99.11 percent of the population stated in the Technical Table. Accordingly, Mission requests that, to the extent the Commission deems it necessary, the Commission revise the Technical Table to reflect KSAN-DT's post-transition HAAT as 159.7 meters:

7. WFXW-DT, Terre Haute, Indiana (changing tower).

The Technical Table specifies that WFXW-DT will operate from a tower located at coordinates 39 13 55 N, 87 23 41 W with the following parameters:

Channel: 39	ERP: 1000 kW	HAAT: 282 m	Antenna: Non-directional

Mission has requested Commission consent to relocate WFXW-DT from the specified tower to a tower located approximately one kilometer away, at coordinates 37 14 33 N, 87 23 29 W. On the new tower, WFXW-DT's antenna HAAT will decrease from 282 HAAT to 249.6 HAAT. WFXW-DT will continue to operate at 1000 kW ERP and a non-directional antenna.[6]

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[5] Mission has submitted an application to modify KSAN-DT's construction permit to specify operations at 159.7 meters HAAT (see File No. BMPCDT-20070125ABX). Mission notes that KSAN-DT's proposed operations at 159.7 meters HAAT will not cause additional interference to any other tentatively proposed facilities in the DTV Table.

[6] Mission has submitted an application to modify WFXW-DT's construction permit to specify operations from a new tower at 249.6 meters HAAT (see File No. BMPCDT-20070125ACT). Mission notes that WFXW-DT's proposed operations from a new location will not cause additional interference to any other tentatively proposed facilities in the DTV Table.

Mission is seeking to relocate WFXW-DT to the proposed different tower because this will permit Mission to reduce the cost of constructing WFXW-DT's permanent DTV facilities. Mission's DTV consultants have determined that WFXW-DT's tower needs to be strengthened. Relocating WFXW-DT to the proposed different tower will permit Mission to avoid this expense; rather Mission will share in the expense of upgrading its proposed new tower. This relocation also will permit Mission and Nexstar Broadcasting's station WTWO to share a combined antenna and transmission line; and to share the costs of the antenna installation – that is, the parties will require only one tower crew to install the stations' antenna. This co-location also will save both parties costs in connection with modification of their transmitter buildings. Mission anticipates that relocating WFXW-DT to the proposed different tower will save approximately 25-30 percent of the construction costs if Mission were to construct the WFXW-DT on the tower specified in the Technical Table.

Mission has determined that WFXW-DT's operations from its proposed new location will serve a population of approximately 87.08 percent of the population stated in the Technical Table. Therefore, Mission requests that the Commission substitute the below parameters for those currently specified in the DTV Table:

Channel: 39	ERP: 1000 kW	HAAT: 249.6 m	Antenna: Non-directional	39 14 33 N 87 23 29 W

8. WFXP-DT, Erie, Pennsylvania (changing towers).

The Technical Table specifies that WFXP-DT will operate from a tower located at coordinates 42 02 33 N, 80 03 56 W with the following parameters:

Channel: 22	ERP: 850 kW	HAAT: 276 m	Antenna Id: 65637

Mission has requested Commission consent to relocate WFXP-DT from the specified tower to a tower located approximately 500 feet away, at coordinates 42 02 25 W, 80 04 09 N. Mission also proposes to slightly reduce WFXP-DT's antenna height from 276 meters HAAT to a HAAT of 270.6 meters. Mission will construct WFXP-DT's facilities with the specified ERP of 850 kW. However, Mission's antenna manufacturer has just confirmed that an antenna cannot be manufactured that will produce the pattern created by the Technical Table's proposed antenna identified as 65637. Mission is continuing to discuss possible antenna's with its manufacturer and intends to submit an application for modification of construction permit to specify operations with the proposed new tower, HAAT and antenna as soon as possible.

Mission is seeking to relocate WFXP-DT to the proposed different tower because this will permit Mission to reduce the cost of constructing WFXP-DT's permanent DTV facilities. Mission's DTV consultants have determined that WFXP-DT's tower needs to be strengthened and relocating WFXP-DT to the proposed different tower will permit Mission to avoid this expense. (Mission will share in the expense of upgrading its proposed new tower which requires substantially less upgrades.) This relocation also provides efficiencies and savings with the installation of WFXP-DT's antenna on the tower – that is, the parties will need only one tower crew to install the stations' antennas. Mission anticipates that relocating WFXP-DT to the proposed different tower will save approximately 20 percent of the construction costs if Mission were to construct WFXP-DT on the tower specified in the Technical Table.

Mission has determined that WFXP-DT's operations from its proposed new tower location will serve a population approximately 97.61 percent of the population stated in the Technical Table. Therefore, Mission requests that the Commission substitute the below parameters for those currently specified in the DTV Table:

Channel: 22	ERP: 850 kW	HAAT: 270.6 m	Antenna: To be determined	42 02 25 N 80 04 09 W

9. KAMC-DT, Lubbock, Texas (changing towers).

The Technical Table specifies that KAMC-DT will from a tower located at coordinates 33 30 57 N, 101 50 54 W with the following parameters:

Channel: 27	ERP: 1000 kW	HAAT: 253 m	Antenna: Non-directional

Mission has requested Commission consent to relocate KAMC-DT from the specified tower to a tower located approximately 2.2 kilometers away at coordinates 33 31 33 W, 101 52 07 N. Mission also proposes to reduce KAMC-DT's antenna height to a HAAT of 219.4 meters and its ERP to 750 kW.[7]

Mission is seeking to relocate KAMC-DT to the proposed different tower because this will permit Mission to reduce the cost of constructing KAMC-DT's permanent DTV facilities. Mission's DTV consultants have determined that KAMC-DT's tower needs to be strengthened Relocating KAMC-DT to the proposed different tower will permit Mission to avoid this expense; rather, Mission will share in the expense of upgrading its proposed new tower. This relocation also will permit Mission and Nexstar Broadcasting's station KLBK to share a combined antenna and transmission line; and to share the costs of the antenna installation – that is, the parties will require only one tower crew to install the stations' antenna. This co-location also will save both parties costs in connection with modification of their transmitter buildings. Mission anticipates

[7] Mission has submitted an application to modify KAMC-DT's construction permit to specify operations from a new tower at 219.4 meters HAAT (see File No. BMPCDT-20070125ABW). Mission notes that KAMC-DT's proposed operations from a new location will not cause additional interference to any other tentatively proposed facilities in the DTV Table.

that relocating KAMC-DT to the proposed different tower will save approximately 25-30 percent of the construction costs if Mission were to construct the .

Mission has determined that KAMC-DT's operations from its proposed new tower location will serve a population approximately 95.78 percent of the population stated in the Technical Table.[8] Therefore, Mission requests that the Commission substitute the below parameters for those currently specified in the DTV Table:

Channel: 27	ERP: 750 kW	HAAT: 215.2 m	Antenna: non-directional	33 31 33 N 101 52 07 W

B. Mission's Form 381 Certification.

Mission recognizes that the majority of the changes proposed herein result in its DTV stations serving slightly reduced populations from the populations calculated to be served pursuant to its Form 381 certifications. In five instances – for stations KRBC-DT, KODE-DT, KHMT-DT, KJTL-DT and KSAN-DT – the changes proposed by Mission are due to circumstances beyond its control. For the remaining four stations – WUTR-DT, WFXP-DT, WFXW-DT and KAMC-DT – the proposed changes will save Mission significant amounts of money. Therefore, Mission requests that either (i) the Commission permit the changes proposed herein to be treated as amendments its Form 381s (Mission will submit such amendments if the Commission so directs) or (b) the Commission confirm that the above-specified operating parameters for its stations are sufficient to meet the certification of construction for its stations as was set forth in the stations' Form 381s.

[8] To the extent that the Commission determines to permit further modification of DTV facilities after the Technical Table is finalized, Mission will analyze KAMC-DT's proposed operating parameters to determine if its construction permit can be modified to a higher ERP in order to serve a larger percentage of the population specified in the Commission's proposed DTV Table.

Respectfully submitted,

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